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Ben-David +972 2 5714455

Xerox Docket No.D/A3570

#### APPLICATION FOR UNITED STATES PATENT **DECLARATION AND POWER OF ATTORNEY**

s a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint & The The Total inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

DIRECT DETECTION OF HIGH-ENERGY SINGLE PHOTONS

described and claims	xd in the	specification:
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#### Check one

attached hereto. \*2

filed on September 3, 2003 as Application No. 10/653,190. b.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56. Under Title 35, U.S. Code §119, the priority benefits of the following foreign application(s) and/or United States provisional application(s) filed by me or my legal representatives or assigns within one year prior to this application are hereby claimed:

The following application(s) for patent or inventor's certificate on this invention were filed in countries foreign to the United States of America either (a) more than one year prior to this application, or (b) before the filing date of the above-named foreign priority application(s) and/or United States provisional application(s):

I hereby appoint the following as my attorneys of record with full power of substitution and revocation to prosecute this application and to transact all business in the Patent Office:

Mark Costello	Reg. No. 31,342;	Elizabeth F. Harasek	Reg. No. 28,850;
Ronald F. Chapuran	Reg. No. 26,402;	Eugene O. Palazzo	Reg. No. 20,881;
Kevin R. Kepner	Reg. No. 32,145;	Mario A. Costantino	Reg. No. 33,565;
Nola Mae McBain	Reg. No. 35,782;	Stephen J. Roe	Reg. No. 34,463;
James A. Oliff	Reg. No. 27,075;	Joel S. Armstrong	Reg. No. 36,430;
William P. Berridge	Reg. No. 30,024;	Christopher W. Brown	Reg. No. 38,025;
Kirk M. Hudson	Reg. No. 27,562;	Richard E. Rice	Reg. No. 31,560;
Thomas J. Pardini	Reg. No. 30,411;	Paul Tsou	Reg. No. 37,956; and
Edward P. Walker	Reg. No. 31,450;	Eric D. Morehouse	Reg. No. 38,565.
Robert A. Miller	Reg. No. 32,771;		-

ALL CORRESPONDENCE IN CONNECTION WITH THIS APPLICATION SHOULD BE SENT TO OLIFF & BERRIDGE, PLC, P.O. BOX 19928, ALEXANDRIA, VIRGINIA 22320, TELEPHONE (703) 836-6400.

I hereby declare that I have reviewed and understand the contents of this Declaration, and that all statements made herein 🕏 of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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2 **INVENTO		or's signature: $X$		Given Name	Middle Initial	Family Name	
3	**DATE OF SIGNATURE:		X	-12	15	2003	
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<sup>\*\*</sup>Note to Invent r: Please sign name exactly as it appears above and insert actual date of signing.

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### Page 2 OF U.S.A. DECLARATION FORM (Discard this page in a sole inventor application)

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	oj Inira Joint	Inventor (if any)		Haim Given Name	Middle Initial	Family Nam	
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	,	including country)	;	Bar Kochva 2, 97875 Jeru	salem, Israel		
1	Typewritten Full Name of Fourth Joint Inventor (if any)						it;
				Robert	A.	STREET	
			,	Given Name	Middle Initial	Family Nam	165
2	**INVENTO	R'S SIGNATURE:	1				, ° e
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	of Fifth Joint I	nventor (if any)		N. Comments		<del></del>	149
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This form may be executed nly when attached to the first page of the Declaration and Power of Attorney form and the specification (including claims) of the application to which it pertains.

<sup>\*\*</sup>Note to Inventors: Please sign name exactly as it appears and insert the actual date of signing.

Xerox Docket No.D/A3570

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DIRECT DETECTION OF HIGH-ENERGY SINGLE PHOTONS

DIRECT DETECTION OF MICH ENERGY SINGLET HOTONS
described and claimed in the specification:
Check one
*a.  attached hereto.
b. Siled on September 3, 2003 as Application No. 10/653,190.
I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims,
as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56. Under Title 35, U.S. Code §119, the priority benefits of the following foreign application(s) and/or United States provisional application(s) filed by me or my legal representatives or assigns within one year prior to this application are hereby claimed:

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Nola Mae McBain	Reg. No. 35,782;	Stephen J. Roe	Reg. No. 34,463;
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Kirk M. Hudson	Reg. No. 27,562;	Richard E. Rice	Reg. No. 31,560;
Thomas J. Pardini	Reg. No. 30,411;	Paul Tsou	Reg. No. 37,956; and
Edward P. Walker	Reg. No. 31,450;	Eric D. Morehouse	Reg. No. 38,565.
Robert A Miller	Reg. No. 32 771.		,

#### ALL CORRESPONDENCE IN CONNECTION WITH THIS APPLICATION SHOULD BE SENT TO OLIFF & BERRIDGE, PLC, P.O. BOX 19928, ALEXANDRIA, VIRGINIA 22320, TELEPHONE (703) 836-6400.

I hereby declare that I have reviewed and understand the contents of this Declaration, and that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

1	Typewritten Fu of First or Sole		Ofer		DAGAN
2	**INVENTOR	R'S SIGNATURE:	Given Name	Middle Initial	Family Name
3	**DATE OF S	IGNATURE:			
			Month	Day	Year
	Residence:	Givat Ze'ev			Israel
		City	State or Province		Country
	Citizenship:	Israel			
		Post Office Address: (Insert complete			
		mailing address, including country)	Mevo HaShikma 20/1,	90917 Givat Ze'ev, Israel.	

<sup>\*</sup>This form may be executed only when attached to the specification (including claims) at the end thereof if Box a. is checked.

<sup>\*\*</sup>Note to Inventor: Please sign name exactly as it appears above and insert actual date of signing.

### Page 2 OF U.S.A. DECLARATION FORM (Discard this page in a sole inventor application)

1	Typewritten F	ull Name			
	of Second Join	nt Inventor (if any)	Barry	Neal	BREEN
			Given Name	Middle Initial	Family Name
2	**INVENTO	R'S SIGNATURE:			
3	**DATE OF !	SIGNATURE:			
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	Residence:	Givat Ze'ev		•	Israel
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1	Typewritten F				HERMAN
	oj Tnira Joini	Inventor (if any)	Haim Given Name	Middle Initial	HERMON Family Name
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2	**INVENTOR'S SIGNATURE:		Ham Hermon		
3	**DATE OF	SIGNATURE:	December		7003
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	Residence:	Jerusalem			Israel
		City	State or Pro	ovince	Country
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		Post Office Address:			
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		mailing address, including country)	Bar Kochva 2, 97875 Jerusa	ilem Israel	
1	Typewritten F			, 101201	
	of Fourth Joint Inventor (if any)		Robert	A.	STREET
			Given Name	Middle Initial	Family Name
2	**INVENTO	R'S SIGNATURE:			
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1	Typewritten Fu				
	of Fifth Joint I	nventor (if any)	Gi an Nama	N 41 - J - J - J - J - J - J	FII NI
			Given Name	Middle Initial	Family Name
2	**INVENTOR	R'S SIGNATURE:	•		
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		including country)			

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described and cla	imed i	n the specification:
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Edward P. Walker	Reg. No. 31,450;	Eric D. Morehouse	Reg. No. 38,565.
Robert A. Miller	Reg. No. 32,771;		-

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<i>1</i>	Typewritten Fu of First or Sole	ill Name Inventor	Ofer		DAGAN
		<del></del>	Given Name	Middle Initial	Family Name
2	**INVENTOR	N'S SIGNATURE:			<u> </u>
3	**DATE OF S	IGNATURE:			
			Month	Day	Year
	Residence:	Givat Ze'ev			Israel
		City	State	or Province	Country
	Citizenship:	Israel	_		
		Post Office Address: (Insert complete			
		mailing address, including country)	Mevo HaShikma 20/1, 9	0917 Givat Ze'ev, Israel.	

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## Page 2 OF U.S.A. DECLARATION FORM (Discard this page in a sole inventor application)

1	Typewritten Full Name of Second Joint Inventor (if any)		Barry		BREEN
	oj Becoma som	(gg)	Given Name	Middle Initial	Family Name
2	**INVENTOR	r'S SIGNATURE:			
3	**DATE OF S				
3	DATE OF S		Month	Day	Year
	Residence:	Givat Ze'ev			Israel
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		Post Office Address: (Insert complete			
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1	Typewritten Fu		Haim		HERMON
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1	Typewritten Full Name of Fourth Joint Inventor (if any)		Robert	A	STREET
	oj i om mo		Given Name	Middle Initial	Family Name
2	**INVENTO	R'S SIGNATURE:	Cole	V # >1	rect
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<b>J</b> .	Dill Oi .		Month	Day	Year
	Residence:	Palo Alto	Calif	fornia	United States
	7135133	City	State or Province		Country
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	•	Post Office Address: (Insert complete			
		mailing address, including country)	894 La Para Avenue, Palo Alto, CA 94306-2647, USA		
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	of Fifth Joint I	nventor (if any)	Given Name	Middle Initial	Family Name
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